UNITED STATES CANBY QUADRANGLE DEPARTMENT OF THE INTERIOR CALIFORNIA-MODOC CO. GEOLOGICAL SURVEY 15 MINUTE SERIES (TOPOGRAPHIC) 121°00′ 668000m.E 120°45′ 2 330 000 FEET no geomorphic evidence of recent faulting across 5-6my Devils Garden 790 000 FEET 4595000m.N Devils Garden basalt continuous across marked trace of fault startage andslide bench s-erosional no especence of faulting in Aturas Fm. fc 7090 Washington Mth O ed, landslide minor fault Alteras Fm - filt att: N25°E 70°NW be dding in Alturas Fm near horizontal f/c 7-90 landstide scarp SPRINGS Guler Westlake Creek no geomorphic evidence / of recent faulting in Tertiar Alturas Opponings Westlake Butte this flow most offset. Flow surface att: NSO-55°W 280ME. has incised through very resistant baseltic andesite flow NS70W 290NE, FIT POCKET Species f/c7-90 not observed RIVER swiffacing scarp is bedding not offset Cooky Gulch Fravilson fle Reser 17- Strike ridge of Herenthal expsis Baley minor bedrock fault - not offset where crossed by mayped traces of Likely fitz probably eraspoint along strike ridge NV. drainage incised through resistant basaltic andesite A low + flow forms strike ridge By 7-40 broad 5, poorly defined Stone Coal Mtn no geomorphic eviden ridge not offset or deflected t in bedding flow structures continuous across fault 1/2 7-90 Dixon 0 Stone Coal Valley NATIONA RE 0 0 D Pond MAP EXPLANATION Rice Spring Faults mapped by CDWR (1963), dashed where approximately located, dotted where concealed; U denotes upthrown side, D denotes downthrown side. Faults mapped by Gay and Aune (1958, and unpublished field maps), dotted where Recently active faults mapped by Bryant (this report), based on air photo interpretation and limited field mapping (indicated by f/c and date). Solid line indicates well-defined feature, dashed where approximately located, short dash where inferred, dotted where concealed; queries indicate additional uncertainty; hachures indicate extent and direction F/c 7-90 scarp faces. 2 Locality referred to in text. Fault is well-defined and/or was verified as exhibiting geomorphic evidence of latest Pleistocene to Holocene displacement by Bryant (this report). Fault is not well-defined and/or was not verified as exhibiting geomorphic evidence of NV latest Pleistocene to Holocene displacement by Bryant (this report). Key to faulted and unfaulted deposits -deposit offset H - Holocene L - late Pleistocene -deposit not offset Q - Quaternary b - bedrock Scarp Profile Data measured by Bryant (this report) h-scarp height c-scarp crest width Geomorphic features indicative of fault recency and/or location, based on air photo interpretation and field mapping by Bryant (this report) Canyon 710 000 dov - drainage offset vertically or exhibits "wineglass" b - bench FEET bd - beheaded drainage bis - break in slope cd - closed depression configuration ld - linear drainage Ir - linear ridge pa - ponded alluvium dd - deflected drainage rl-right lateral II- left lateral s - saddle dno - drainage not offset t - tonal lineament tr - trough Flat 4570000m.N. Rice Figure 2a (to FER-218). Traces of the Likely fault zone in the Canby - Madeline Plains study area, based on available mapping of others and air photo interpretation by T. 39 N Valley Bryant (this report). 41°15′ 120°45′ (ADIN) 121°00′ 2 280 000 FEE Mapped, edited, and published by the Geological Survey SCALE 1:62500 ROAD CLASSIFICATION Control by USGS and USC&GS 3000 0 Topography by photogrammetric methods from aerial Heavy-duty Light-duty photographs taken 1958 and planetable surveys 1961 Medium-duty Unimproved dirt ======= Polyconic projection. 1927 North American datum CONTOUR INTERVAL 40 FEET U.S. Route State Route 10,000-foot grid based on California coordinate system, zone 1 DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL 1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue Areas covered by dashed light-blue pattern are APPROXIMATE MEAN DECLINATION, 1961 subject to controlled inundation CANBY, CALIF. QUADRANGLE LOCATION THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST N4115-W12045/15 1961